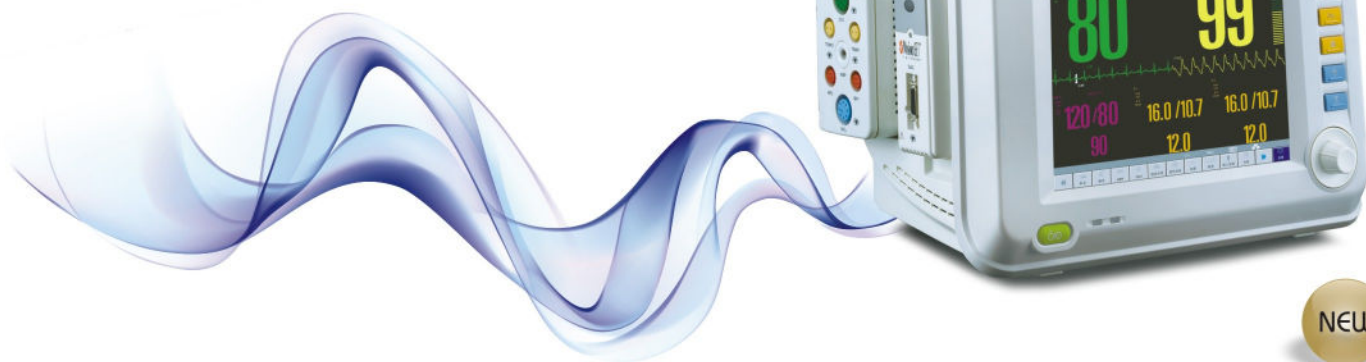




# AnyView A3

Modular Patient Monitor



NEW

## Anyview A3 Main Unit

### Size and Weight

- Size : 278mmX250mmX192mm
- Weight : 5.42kg
- Standard module slot: 1
- Additional module rack Slot : 1

#### Power supply

- Power Voltage: AC 100-240V 50/60Hz
- Power Input: ≤150VA
- Input Current: 1.0-0.5A
- Safety class: Category I

#### Display

- 8" Color Anti-glare TFT-LCD
- Resolution : 800X600 pixels

#### Battery

- Type: Rechargeable Lithium battery, 11.1V/4.0AH
- Operating time under the normal use and full charge : ≥200minutes
- Charge time: 6 hour to 100% capacity (Standby)

#### Recorder (Option)

- Method : Thermal dot array
- Paper width : 50 mm (1.97 in)
- Paper length: 15m
- Paper Speed : 12.5 / 25 / 50 (mm/sec)
- Traces : Maximum 3 tracks
- Recording way : Real-time recording, Periodic recording, Alarm recording

#### Alarm

- Level : Low, medium and high
- Indication : Auditory and visual
- Patient Physiological Alarm Light color: Yellow & Red;
- Equipment Technical Alarm Light color: Blue
- Supports Pitch Tone and Multi-level volume;
- Supports custom arrhythmia tone

#### Input device

- Touch screen: option.
- Knob: standard config
- Mouse input: Support
- Keyboard input: Support

#### System Output & Extensible Interfaces

- Ethernet Network : 1 Standard RJ45 socket
- Defibrillation Output : 1 RJ11 socket
- Nurse Call : 1 BNC socket
- Video Output : 1 VGA port
- USB1.1 port : 2
- 12V DC input : 1 socket
- SD memory card : 2G (Option)
- Analog Output (ECG or IBP) : Option

#### Trend & Reviewing :

- Trend : 168 hours
- NIBP measurement reviewing : 1000 groups
- ARR event: 128 groups of ARR event and the associated waveform.
- Alarm events: 128 groups of parameter alarm events and associated parameter waveform at the alarm moment
- Full Disclosure waveform : 24 hours for 3 waveforms

#### Environment

- Operating temperature : 0~+40℃
- Storage temperature : -20℃ ~ +50℃
- Operating humidity : 15% to 85% (non condensing)
- Storage humidity : 10% to 93% (non condensing)
- Operating atmospheric pressure : 860hPa to 1060hPa
- Storage atmospheric pressure : 500hPa to 1060hPa

#### Safety:

- IEC60601-1 Approved, CE marking according to MDD93/42/EEC

### Performance:

#### ECG

- Lead Mode : 3-leads ECG input  
5-leads ECG input  
12-leads ECG input
- Lead selection : I, II, III, aVR, aVL, aVF, V1, V2, V3, V4, V5, V6 (option)
- Gain : 2.5 mm/mV(x0.25), 5 mm/mV(x0.5), 10 mm/mV(x1), 20 mm/mV(x2), 40mm/mV(x4), Auto
- CMRR : Monitor mode ≥105dB  
Surgery mode ≥105dB  
Diagnostic mode ≥90dB
- Frequency response (-3dB):  
Monitor mode 0.5~40Hz  
Surgery mode 1~25Hz  
Diagnostic mode 0.05~150Hz
- Input impedance : ≥5.0 Mohm
- ECG signal range : ± 10.0mV
- Electrode offset potential : ± 500mV
- Patient Leakage Current : <10 uA
- Standardizing signal : 1 mV ± 5%
- Baseline recovery : <5s after Defibrillation. (Mon or Surg mode)
- Indication of electrode separation : Every electrode (exclusive of RL)
- Protection: Breakdown Voltage 4000VAC 50/60Hz; defibrillator proof
- Sweep speed : 12.5mm/s, 25mm/s, 50mm/s

#### HR

- Range : Adult 10~300 bpm  
Pediatric & Neonate: 10~350bpm

Refreshing time : ≤50 bpm Per 2 pulses  
50~120bpm Per 4 pulses  
≥120bpm Per 6 pulses

- Resolution : 1 bpm
- Accuracy : ± 1% or ± 1bpm, whichever is greater

#### ST segment

- Measurement range : -2.0mV~2.0mV
- Accuracy: -0.8mV~0.8mV; ±0.02mV or ±10%, whichever is greater  
Over ±0.8mV unspecified
- Resolution : 0.01mV

#### RESP

- Method : Thoracic impedance
- Lead Selected from: I (RA-LA) or II (RA-LL); Default: I
- Gain : x0.25, x1, x2, x4
- Bandwidth: 0.25 Hz to 2.0Hz (-3dB)
- Sweep speed : 6.25mm/s, 12.5mm/s, 25mm/s
- Measurement Range : 0-150 rpm
- Resolution : 1 rpm
- Accuracy : ± 2rpm or ± 2%, whichever is greater
- Delay of Apnea Alarm : 10s, 15s, 25s, 30s, 35s, 40s, 45s, 50s, 55s, 60s

#### NIBP

- Way of measurement : Automatic oscillometry
- Range of measurement :
- Adult : SYS 30~270 mmHg  
DIA 10~220 mmHg  
MAP 20~235 mmHg
- Child: SYS 30~235 mmHg  
DIA 10~220 mmHg  
MAP 20~225 mmHg
- Neonate: SYS 30~135 mmHg  
DIA 10~100 mmHg  
MAP 20~125 mmHg
- Cuff pressure range : 0~300 mmHg
- Resolution : 1 mmHg
- Pressure Accuracy : Static : ± 2% or ± 3mmHg, whichever is greater  
Clinical : ± 5 mmHg average error  
standard deviation : ≤8 mmHg
- Unit: mmHg, kPa
- Measurement mode: Manual , Auto, STAT
- Intervals for AUTO measurement time : 1, 2, 3, 4, 5, 10, 15, 30, 60, 90 minutes;  
2, 4, 8, 12 hours
- STAT mode cycle time : Keep 5 minutes, at 5 seconds interval.
- Overpressure Protection : Hardware and software double protections
- Pulse rate range : 40 ~ 240 bpm

#### BLT-SpO2 (Digital Technic)

- Measurement range : 0-100%
- Resolution: 1%
- Accuracy: At 70~100%, ± 2%  
At 0~69%, unspecified

#### PR

- Measurement Range : 25~255 bpm
- Resolution : 1 bpm
- Accuracy : ± 1% or ± 1 bpm, whichever is greater

#### Nellcor-SpO2 (option)

- Measurement Range : 0~100%
- Resolution : 1%
- Accuracy : At 70~100%, ± 2% (Adult)  
At 70~100%, ± 3% (Neonate)  
At 70~100%, ± 2% (Low Perfusion)  
At 0~69%, unspecified

#### PR

- Measurement Range : 20~300 bpm
- Resolution : 1 bpm
- Accuracy : 20bpm to 250bpm : ± 3bpm  
251bpm to 300bpm: unspecified

#### Masimo SpO2 (option)

- Measurement range: 0% to 100%
- Resolution: 1%
- Accuracy: 70% to 100%: ± 2% (adult/pediatric, non-motion conditions)  
70% to 100%: ± 3% (neonate, non-motion conditions)  
70% to 100%: ± 3% (motion conditions)  
0% to 69%: unspecified
- Average time: 2-4s, 4-6s, 8s, 10s, 12s, 14s, 16s

#### PR

- Measurement range: 25 bpm to 240 bpm
- Accuracy : ± 3bpm (non-motion conditions)  
± 5bpm (motion conditions)
- Resolution: 1 bpm

#### TEMP

- Max Channel : 4
- Measurement way: Thermal resistance way
- Measurement Range : 0.0℃ ~ 50.0℃ (32°F~122°F)
- Accuracy : ± 0.1℃ or ± 1°F (exclusive of probe)
- Resolution : 0.1℃ or 1°F
- Unit : Celsius (℃), Fahrenheit (°F)
- Connecting cable : Compatible with YSI-400 serial

#### IBP

- Max Channel : 4
- Measurement way: Directly invasive pressure measurement
- Sensitivity of transducer: 5uV/V/mmHg, ± 2%
- Impedance of transducer: 300 to 3000Ω

- Measurement Range : -50 ~ +350 mmHg
- Resolution : 1mmHg
- Unit : mmHg, kPa, cmH2O

- Accuracy : Static: ± 1mmHg or 2%, whichever is greater (exclusive of transducer)  
± 4mmHg or 4%, whichever is greater (inclusive of transducer)

- Dynamic : ± 4mmHg or 4%, whichever is greater
- Transducer sites : Arterial Pressure (ART)  
Pulmonary Artery Pressure (PA)  
Left Atrium Pressure (LAP)  
Right Atrium Pressure (RAP)  
Central Venous Pressure (CVP)  
Intracranial Pressure (ICP)  
P1/P2

- Selection of measurement range :  
ART : 0 ~ +350mmHg  
PA : -10 ~ +120 mmHg  
CVP/RAP/LAP/ICP: -10 ~ +40 mmHg  
P1/P2 : -50 ~ +350 mmHg

#### EtCO2 (Mainstream)

- Measure method : Infrared spectrum
- Warm up time : Capnogram displayed in less than 15 seconds, At an ambient temperature of 25℃, full specifications within 2 minutes.
- Measurement Range : 0.0~19.7% (0~150 mmHg)
- Resolution : 1 mmHg
- Rise time (10 l/min) : ≤ 60 ms
- Unit : %, mmHg, kPa
- CO2 Accuracy : 0 ~ 40 mmHg, ± 2mmHg  
41 ~ 70 mmHg, ± 5% or reading  
71 ~ 100 mmHg, ± 8% or reading  
101 ~ 150 mmHg, ± 10% of reading  
(at 760 mmHg, ambient temperature of 35℃)
- awRR measurement range : 0~150 rpm
- awRR measurement Accuracy : ± 1rpm

#### EtCO2 (Microstream)

- Measure method : Infrared spectrum
- Warm up time : Capnogram displayed in less than 20 seconds, At an ambient temperature of 25℃, full specifications within 2 minutes.
- Measurement Range : 0 ~ 19.7% (0~150mmHg)
- Resolution : 1mmHg
- Unit : %, mmHg, kPa
- CO2 Accuracy: 0 ~ 40 mmHg, ± 2mmHg  
41 ~ 70 mmHg, ± 5% of reading  
71 ~ 100 mmHg, ± 8% of reading  
101 ~ 150 mmHg, ± 10% of reading  
(at 760 mmHg, ambient temperature of 25℃)  
(when RR > 80 rpm, all the range is ± 12% or reading)
- CO2 response time : < 3s
- awRR measurement range : 2~150 bpm
- awRR measurement Accuracy : ± 1rpm
- Sample Flow Rate : 50 ml/min ~ 10ml/min

#### Anesthetic Gas

- Measure method : Infrared spectrum
- Measure mode : Mainstream
- Fi and Et values : CO2, N2O, O2, AG (HAL, ISO, ENF, SEV, DES)
- Resolution : 1%
- Unit : %
- Calibration : Room air calibration performed automatically when changing airway adapter (<5 sec)
- Warm-up time : <10 s, full accuracy within 1 min
- Measurement and alarm range of AG:

| Gas           | Range    | Accuracy              |
|---------------|----------|-----------------------|
| CO2           | 0-10 %   | ± (0.3% ABS+4% REL)   |
| N2O           | 0-100 %  | ± (2% ABS+8% REL)     |
| O2            | 10-100 % | ± (2% ABS+2% REL)     |
| HAL, ISO, ENF | 0-5%     | ± (0.15% ABS+10% REL) |
| SEV           | 0-8%     | ± (0.15% ABS+10% REL) |
| DES           | 0-18%    | ± (0.15% ABS+10% REL) |

- awRR measurement range : 0~150 rpm
- awRR measurement Accuracy : ± 1rpm
- Rise time (flowing speed 10 l/min) CO2 ≤ 90 ms  
O2 ≤ 300 ms  
N2O ≤ 300 ms  
Hal, Iso, Enf, Sev, Des ≤ 300 ms
- Total system response time : < 1 seconds

#### Noninvasive Cardio Output (ICG):

- Method: Measurement of thoracic electrical bioimpedance
- Measurement Range: HR: 40~250 bpm  
SV: 5~250ml  
SI: 5~125mL/m2  
CO: 1.4~15 L/min  
TFC: 15~143 KQ
- Accuracy: HR ± 2bpm  
SV: unspecified  
CO unspecified
- Alarm range: C.I.: 0.0 L/min/m2 to 15.0 L/min/m2 continuously adjustable.  
TFC: 10 kQ to 150 kQ continuously adjustable.

#### Standard configuration of Anyview A3:

Mainunit: 8" anti-glare TFT-LCD display, 1 Standard module slot, 1 Additional module rack Slot (for MPS all-in-one module), 1 RJ45 ethernet socket, 1 Defibrillation Output, 1 Nurse Call socket, 1 VGA output port, 2 USB1.1 port, 1 12V DC input socket, 1 Rechargeable Lithium Battery.

#### Option of AnyView A3:

MPS module: 12 kinds of option  
Option Module: Sidestream CO2 module, Microstream CO2 module, Mainstream CO2 module, AG module, ICG module, IBP module, Temp module, SpO2 module  
Navigating: USB compatible mouse and keyboard, Touch screen (option).  
Printing: 3 channel thermal recorder  
Mounting: Rolling stand, wall mount  
Battery: 11.1V/4.0AH Rechargeable Lithium Battery (max 2 pcs),  
Other options: External Display, Wireless Lan, Extensive Memory card, Analog Output (ECG or IBP), Touch Screen.



\*Specifications subject to change without prior notice.

# BIOLIGHT CO.,LTD.

Add: NO.2 Innovation First Road, Technical Innovation Coast, Hi-tech Zone, Zhuhai, P.R.China Postcode: 519085

Tel: +86-756-3399935 3399999 Fax: +86-756-3399911 E-Mail: Overseas@blt.com.cn



Http: //www.blt.com.cn

A3-Y1202-2